**Guided Learning Activity (GLA)**

**College of the Canyons**

**Solving Rational Equations**

**Welcome to the Rational Equations Guided Learning Activity at College of the Canyons. This is a computer assisted tutorial on solving Rational Equations.**

**Student Learning Outcome: *The student will gain experience in how to solve various kinds of Rational Equations.***

**Directions:**

**1. Log into the computer and click on the following link in order to  
 access the GLA material:** [**Rational Equations GLA**](http://oer.canyons.edu/canyons/items/7254f638-0e27-d5cc-e01d-ad65fd670fcd/1/?tempwn.b=access%2Fitem.do%3F.group%3Dmyitems%26.filterName%3D38%26pg.e%3Dtrue%26pg_pp%3D10%26pg_pg%3D1%26sort_s%3DDATEMODIFIED%26she_canDisplay%3Dchecked)

**2. Click on the link that says “rational\_equations\_gla” in order to   
 open the Powerpoint presentation. Read and work through   
 slides #1-10. Pay particular attention to finding the common   
 denominators and eliminating the fractions.**

**3. On a separate piece of paper, work through the practice   
 problem given in slide #11. Make sure to check your answer.  
 Ask a tutor to help you if you get stuck.**

**4. Check your answers on slide #12-13. If you did not get the   
 practice problem correct, determine where you went wrong.   
 Next to each practice problem on your scratch paper, write down   
 in complete sentences what you did wrong and what steps you   
 can take so that you will not make the same mistake again in the  
 future.**

**5. Now read and work through slides #14-17. Pay particular  
 attention to the proportions and cross multiplying correctly.**

**6. On a separate sheet of paper, work out the practice problem on  
 slide #18.**

**7. Check your answer on slide #19. If you did not get the   
 practice problem correct, determine where you went wrong.   
 Next to each practice problem on your scratch paper, write down   
 in complete sentences what you did wrong and what steps you   
 can take so that you will not make the same mistake again in the  
 future.**

**8. Let’s see how much you have learned. Solve the following three   
 rational equations. Have a tutor check your work. The answers   
 are given below.**

**Quiz**

**1.** 

2. 

3. 

Answers: 1) No solution 2) -45/7 3) 24